**Part Number :** 529910608
**Product Description :** 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm Stacking Heights, Lower Circuit Size Version, White, 60 Circuits
**Series Number :** 52991
**Status :** Active
**Product Category :** Board-to-Board Connectors



## Documents & Resources

### Drawings

529910608_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

529919200-SPK-200.pdf

PS-52991-003-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 0.5, BB H3/4 |
| Description | 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm Stacking Heights, Lower Circuit Size Version, White, 60 Circuits |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | SlimStack |
| UPC | 800754364492 |

### Agency

| | |
|---|---|
| UL | E29179 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum | 50V |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 60 |
| Circuits (maximum) | 60 |
| Glow-Wire Capable | No |
| Mated Height | 3.00mm, 4.00mm |
| Mated Width | 5.40mm |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Net Weight | 258.463/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 0.50mm |
| Plating min - Mating | 0.102µm |
| Plating min - Termination | 0.254µm |
| Polarized to PCB | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Surface Mount |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| 0.50mm Pitch SlimStack Board-to-Board Vertical Stacking Plugs | 501920 |
| 0.50mm Pitch Vertical SlimStack Plugs | 53748 |
| 0.50mm Pitch Vertical SlimStack Plugs | 53916 |